2 : JAN 1981

MEMORANDUM FOR: Director of Logistics

STAT FROM:

Chief, Plans and Programs Staff, OL

SUBJECT:

1980 Energy Conservation Accomplishments

- In the past, overlapping and duplicate energy conservation directives received from the Department of Energy (DOE), General Services Administration (GSA), the "656 Committee," or requested by Executive Order, caused confusion. The attachment summarizes the actions taken by the Office of Logistics over the past year in response to these requirements.
- Presently, as we understand it, energy reporting is now more organized and orderly. Apparently there are two annual reports we must submit, an annual plan and a 10-year plan. We are now compiling the data necessary for both plans. The 10-year plan is quite involved, requiring:

Executive Summary

Agency mission

- Goals and Objectives summarize energy savings, costs and benefits to be achieved
- ° Organizational chart for energy management
- ° Schedule for completion of requirements
- ° Identification of significant problems

Text

- Goals and Objectives Section related to primary mission
- Investment Section Planned investment program by FY Organization Section designation of principal coordinator, point of contact

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SUBJECT: 1980 Energy Conservation Accomplishments

Text - continued

- ° Issues Section addressing problems, alternate courses of action, recommendations
- O Implementing Instructions Section Summary of internal procedures, task milestones
- Emergency Conservation Plan Summary Section 10%, 15%, and 20% reduction plans
- Appendices

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Attachment:

Agency Energy Conservation Accomplishments

ROUTING AND	TRANSMITTAL SITE	Date	7 Jan	81	
TO: (Name, office symbol building, Agency/Pos	, room number,		Initials	Date	
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L Deputy Di	rector of Logistic	S			
Action	File	Note	and Retu	ırn	
Approval	For Clearance		Per Conversation		
As Requested Circulate	For Correction		pare Reply		
Comment	For Your Information Investigate	See Me Signature			
Coordination	Justify	Signa	iture .		

DO NOT use this form as a RECOID of approvals, concurrences, disposals, clearances, and similar actions FROM: (Name, org. symbol, Agency/Post) Room No.—Bldg. 3E24 HQ C/HEB/RECD/OL Phone No. 5041-102 OPTIONAL FORM 41 (Rev. 7-76) Prescribed by GSA FPMR (41 CFR) 101-11.206

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MEMORANDUM FOR: Deputy Director of Logistics

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VIA:

Chief, Real Estate & Construction Division, OL

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FROM:

Chief, Headquarters Engineering Branch,

RECD/OL

SUBJECT:

Estimated Energy Saving by Securing Domestic

Hot Water Service, Headquarters Building

- 1. Regarding your inquiry to the Logistics Services Division concerning the savings that would accrue to the General Services Administration (GSA) because domestic hot water service has been stopped, the following calculations are provided.
- 2. The energy standards have set the temperature of domestic hot water at the $105^{\rm O}$ F level. During the summer, the ambient water temperature averaged about $70^{\rm O}$ F while the winter ambient is now about $45^{\rm O}$ F. Assume that each of 7500 individuals use two quarts of hot water twice a day to wash their hands. Assume also that fuel oil costs \$1.00 per gallon. Using an effective thermal rating, which includes system efficiencies, of 102,000 BTU's per gallon the following summer and winter daily costs are computed.

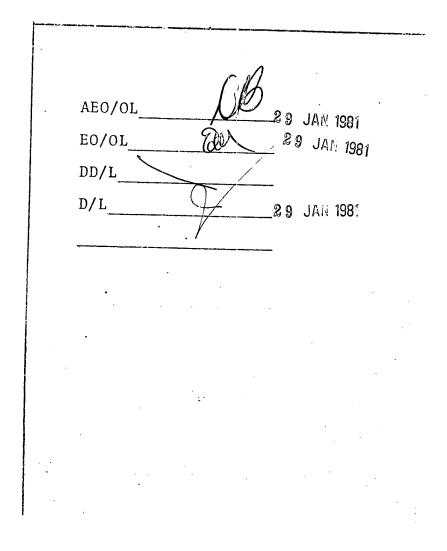
$$(7500)(.5 \text{ gal})(2 \text{ occ.})(8.33\#/\text{gal})(105^{\circ}-70^{\circ})(\$1.00) = \$21.44$$

$$(\frac{7500)(.5 \text{ gal})(2 \text{ occ.})(8.33\#/\text{gal})(105^{\circ}-45^{\circ})(\$1.00)}{102,000 \text{ BTU/gal}} = \$36.75$$

For a month of 21 working days the cost ranges seasonally from \$450 to \$770 per month. There is also another saving in the total amount of water used because the use of only cold water discourages washing but this cost is considered negligible.

4. Informally, GSA has indicated that their calculations assume that an individual uses three gallons of hot water per day instead of the l gallon used in the above calculations. Using that assumption results in a savings range of \$1350 to \$2310 per month.





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Remarks: gave this memo to me 9 Jan. Do you feel CIA should request relief from hot water ban because of insegnificant energy and dollar savenge. d suggest we let the Resgan Team take Charge and first see if they kell the ban.					
FOLD HERE TO RETURN TO SENDER					
FROM: NAME, ADDRESS AND PHONE NO. DATE					
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